

FIG.1

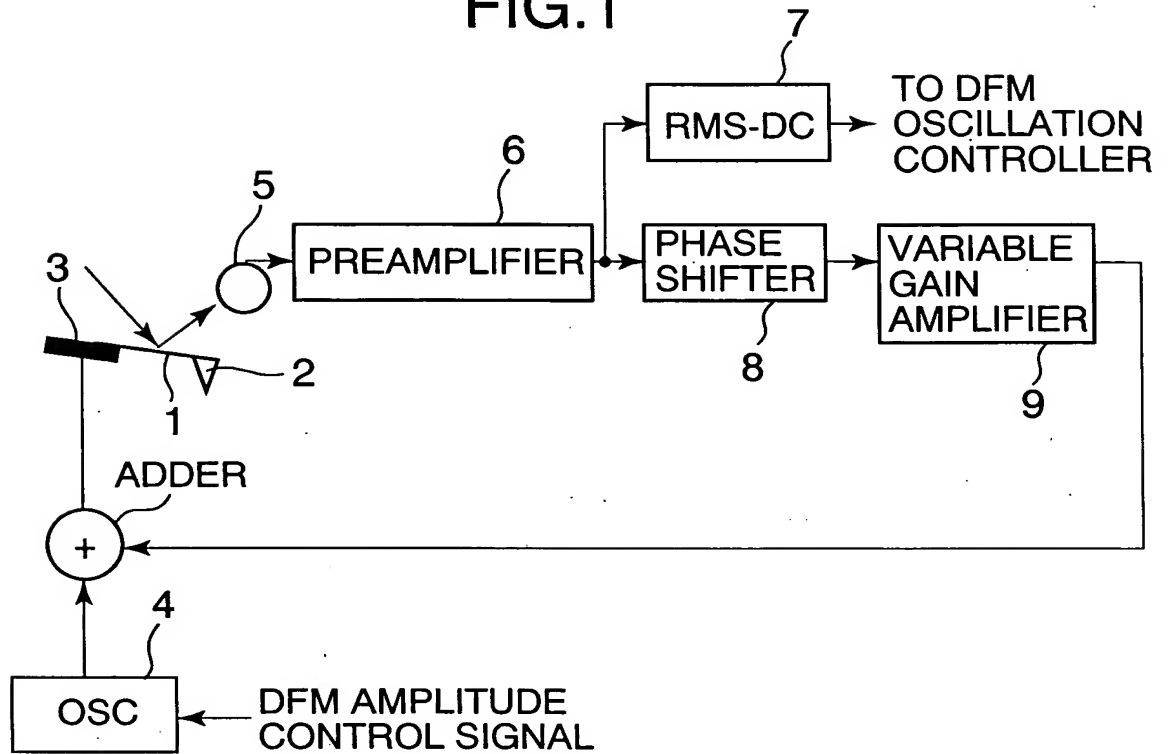


FIG.2

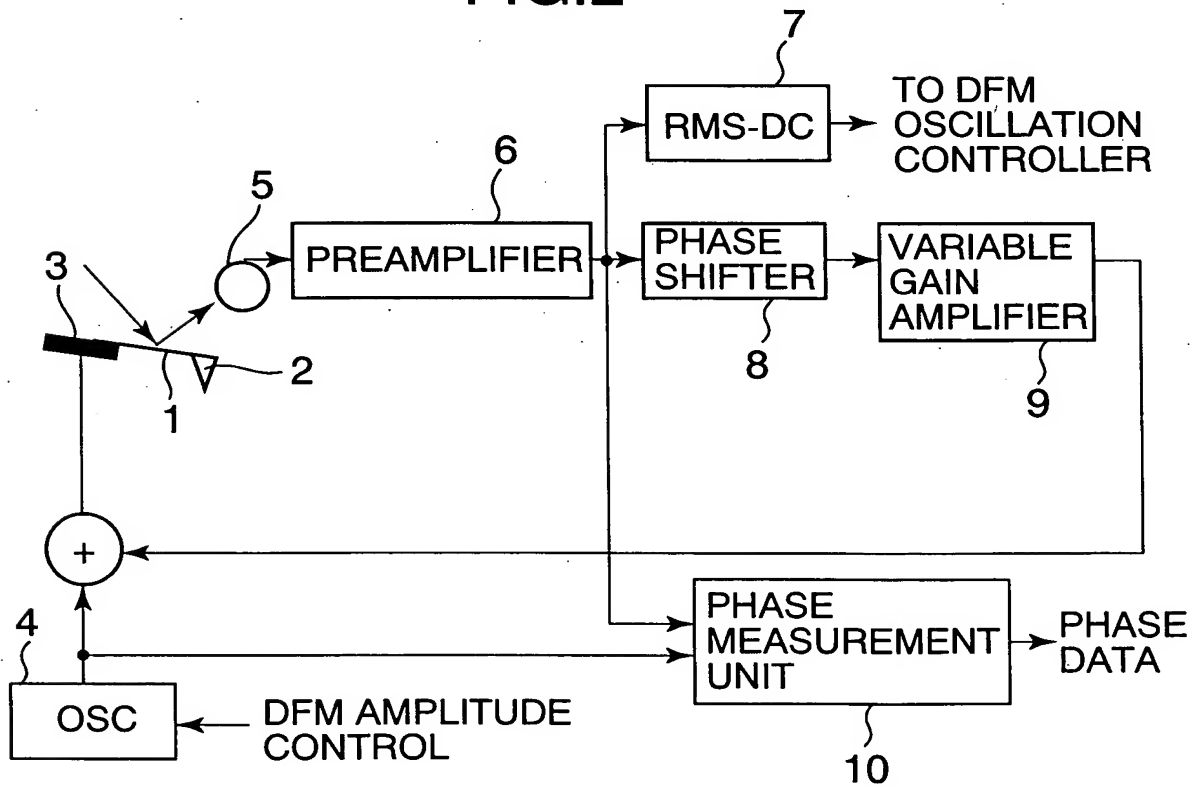


FIG.3

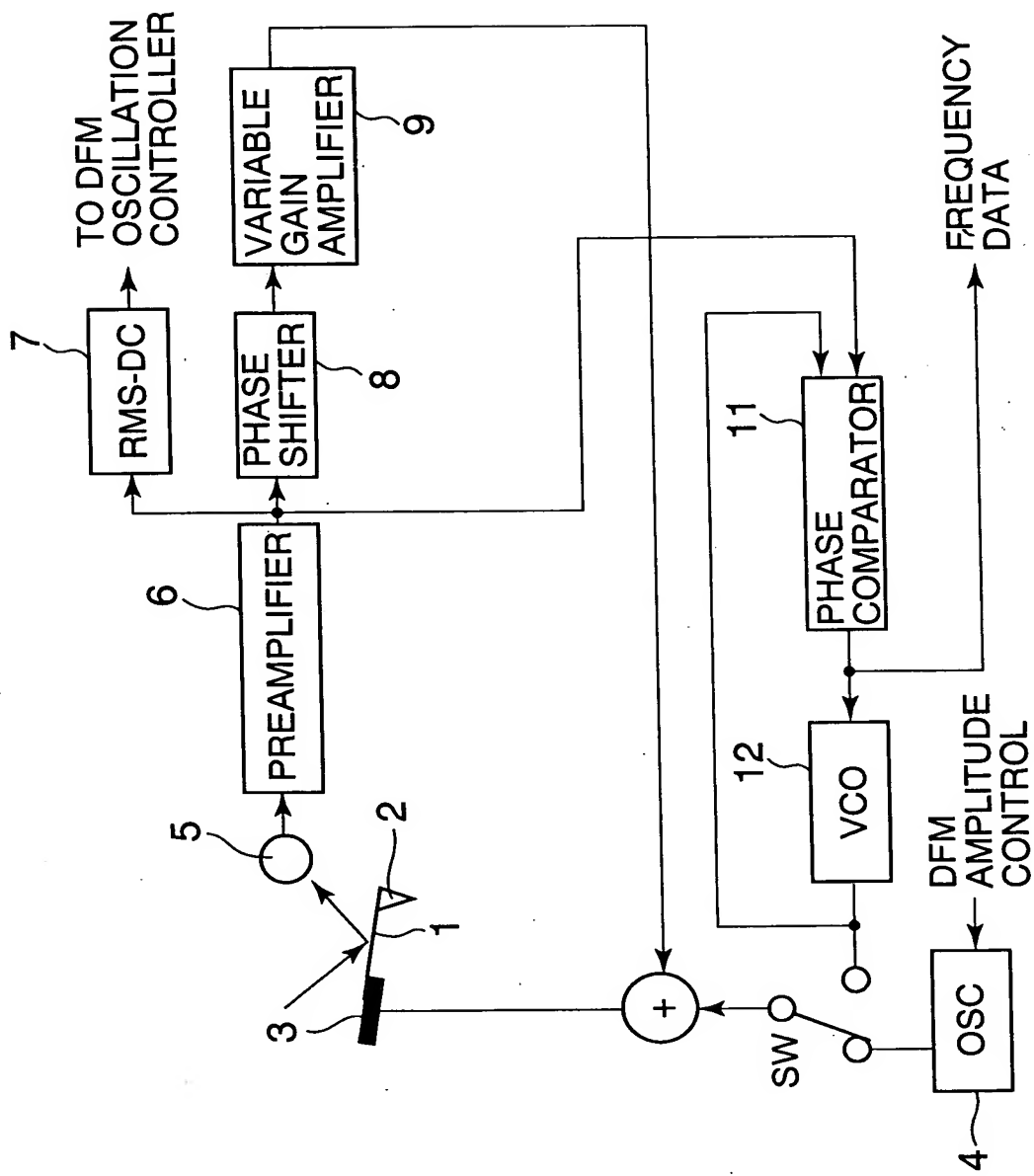


FIG. 4

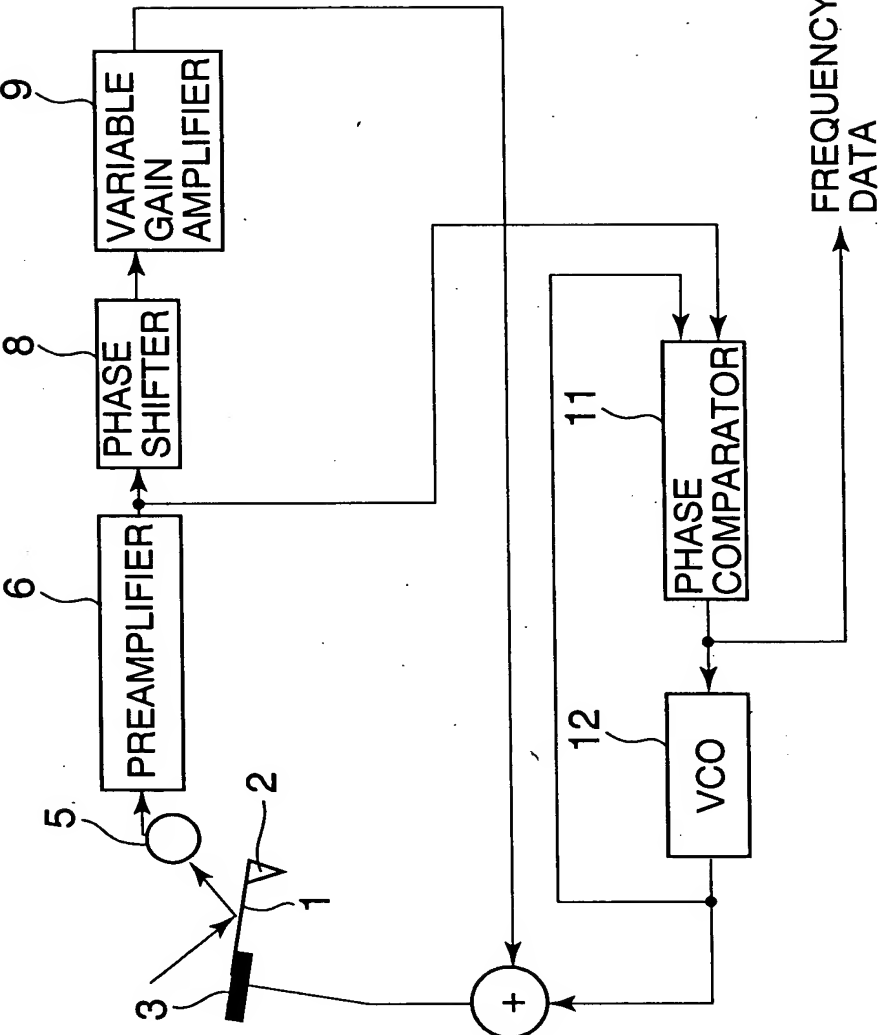
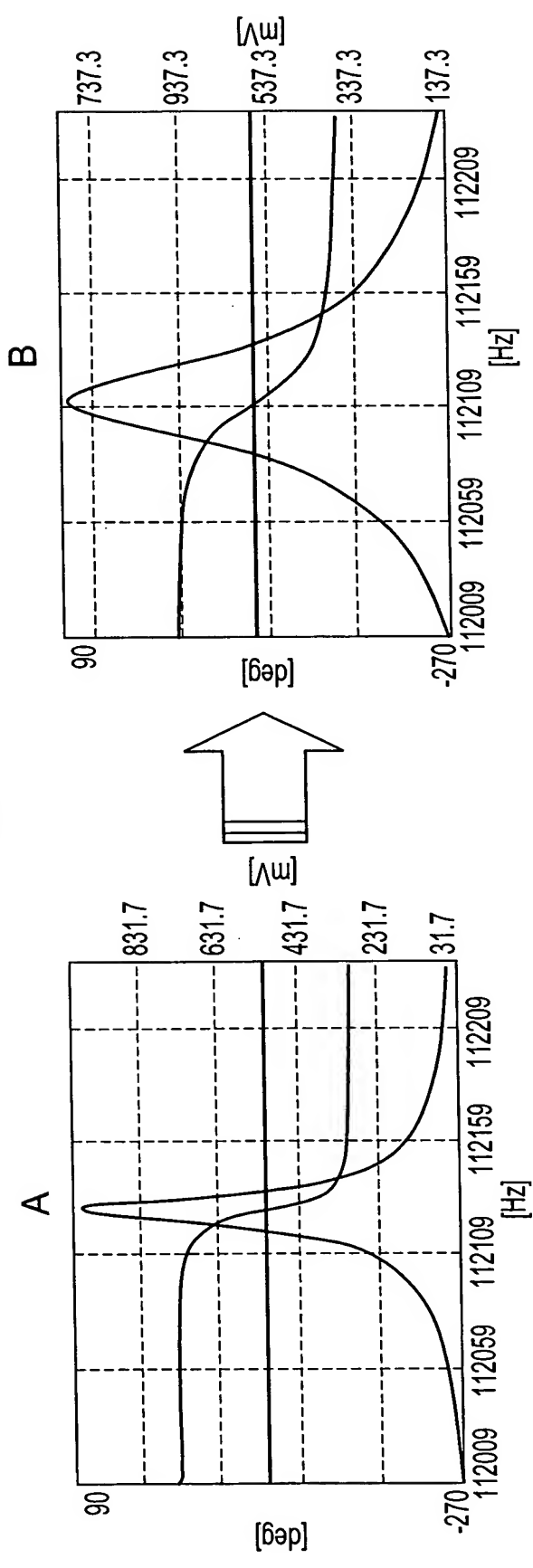


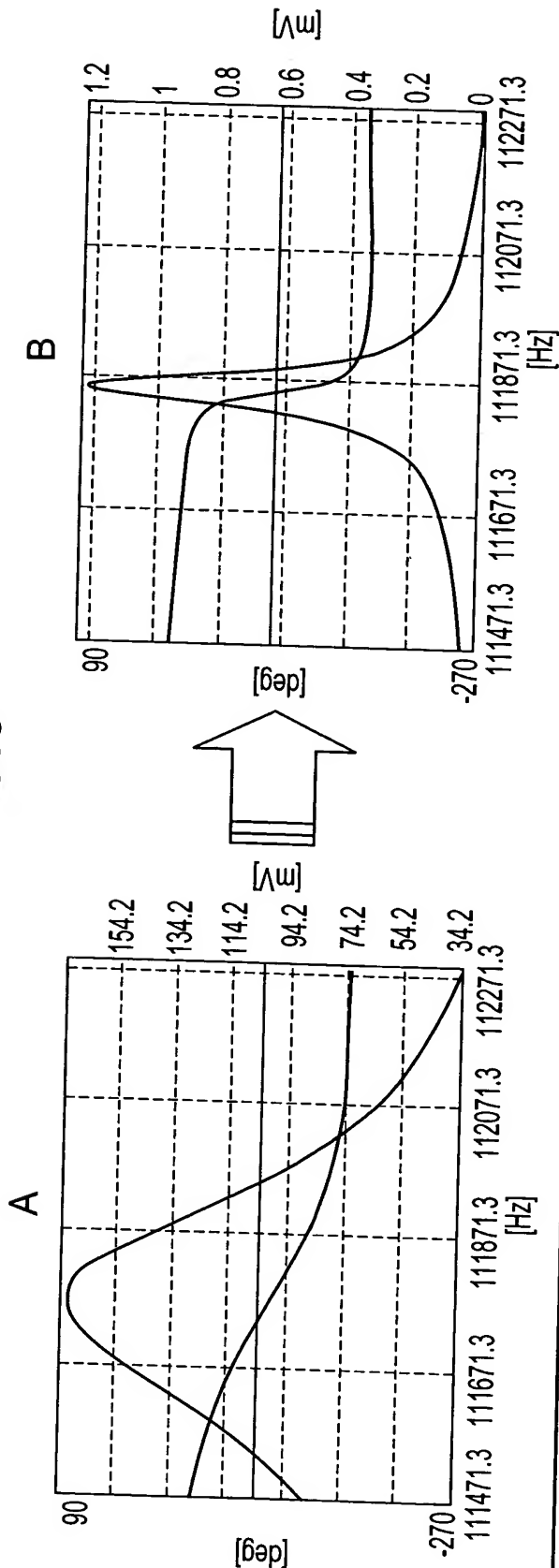
FIG.5



MEASUREMENT	MEASUREMENT	SET	112.112 kHz
FREQUENCY	FREQUENCY	FREQUENCY	0.994 V
UPPER LIMIT	UPPER LIMIT	OSCILLATION	1.001
LOWER LIMIT	LOWER LIMIT	AMPLITUDE	0.249 V
MEASUREMENT GAIN	MEASUREMENT GAIN	RESONANCE	112.112 kHz
EXCITATION VOLTAGE	EXCITATION VOLTAGE	FREQUENCY	5.0 kHz
LOW-PASS FILTER	LOW-PASS FILTER	ΔF	1.0 kHz
HIGH-PASS FILTER	HIGH-PASS FILTER	Q-VALUE	3277.861
PHASE	PHASE		-90.149 deg
FILE NAME: AFTER q-CONTROL.xjq			
COMMENT 1: VACUUM Q=3300 cont.			

MEASUREMENT	MEASUREMENT	SET	112.128 kHz
FREQUENCY	FREQUENCY	FREQUENCY	0.981 V
UPPER LIMIT	UPPER LIMIT	OSCILLATION	1.001
LOWER LIMIT	LOWER LIMIT	AMPLITUDE	0.071 V
MEASUREMENT GAIN	MEASUREMENT GAIN	RESONANCE	112.128 kHz
EXCITATION VOLTAGE	EXCITATION VOLTAGE	FREQUENCY	5.0 kHz
LOW-PASS FILTER	LOW-PASS FILTER	ΔF	1.0 kHz
HIGH-PASS FILTER	HIGH-PASS FILTER	Q-VALUE	10957.620
PHASE	PHASE		-95.666 deg
FILE NAME: BEFORE q-CONTROL.xjq			
COMMENT 1: VACUUM Q=11000			

FIG.6



MEASUREMENT	MEASUREMENT
FREQUENCY	FREQUENCY
UPPER LIMIT	UPPER LIMIT
LOWER LIMIT	LOWER LIMIT
MEASUREMENT GAIN	MEASUREMENT GAIN
EXCITATION VOLTAGE	EXCITATION VOLTAGE
LOW-PASS FILTER	LOW-PASS FILTER
HIGH-PASS FILTER	HIGH-PASS FILTER
PHASE	PHASE
FILE NAME: q BEFORE IMPROVEMENT.xjq	FILE NAME: q AFTER IMPROVEMENT.xjq
COMMENT 1: ATMOSPHERE Q=347	COMMENT 1: ATMOSPHERE Q=2604

SET	SET
FREQUENCY	FREQUENCY
OSCILLATION	OSCILLATION
AMPLITUDE	AMPLITUDE
RESONANCE	RESONANCE
FREQUENCY	FREQUENCY
ΔF	ΔF
Q-VALUE	Q-VALUE

FIG.7A

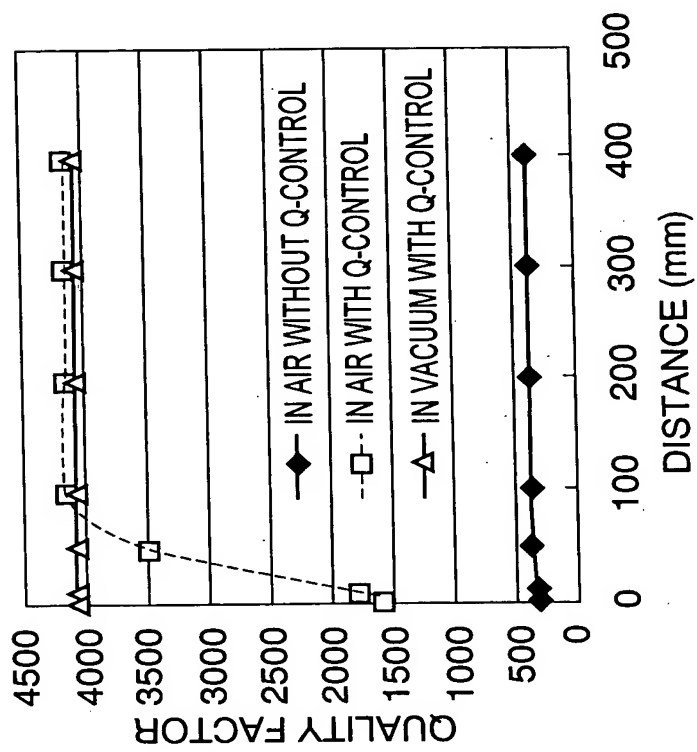


FIG.7B

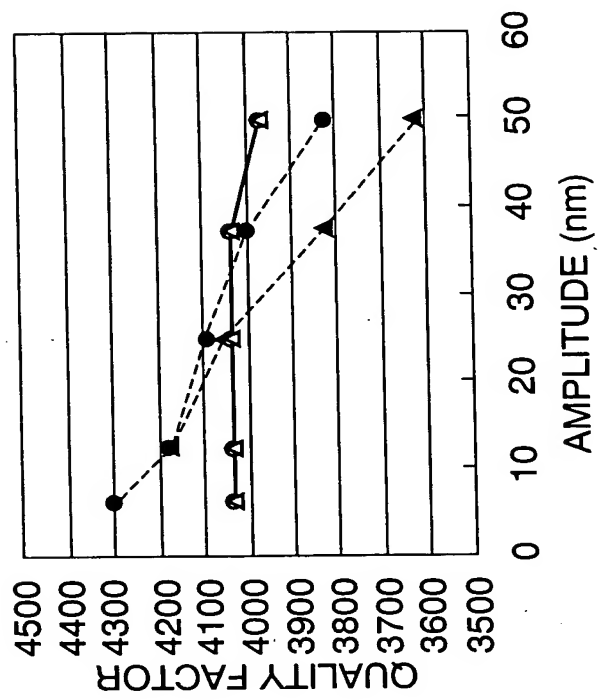


FIG.8

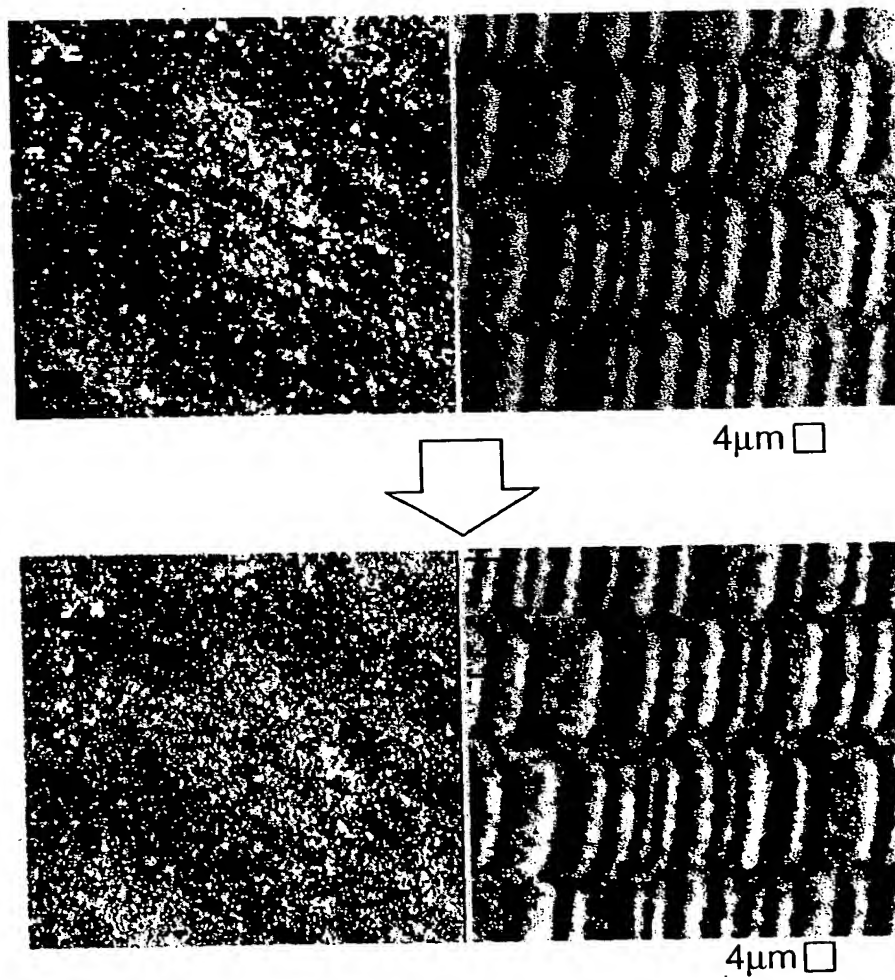


FIG.9



FIG.10A

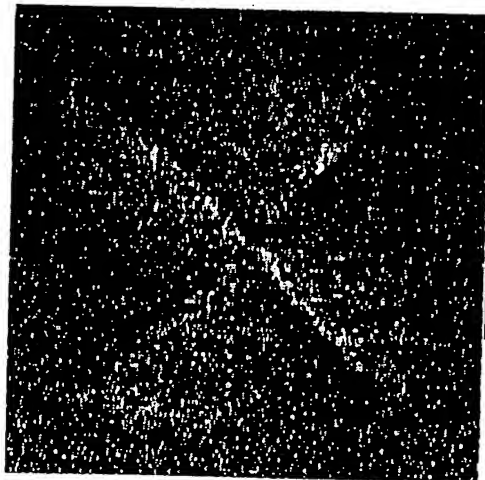


FIG.10B

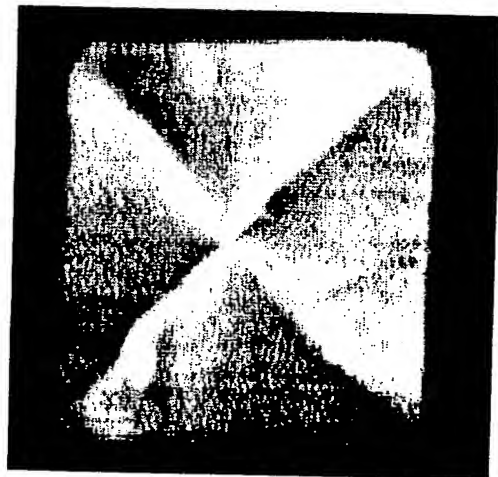


FIG.11

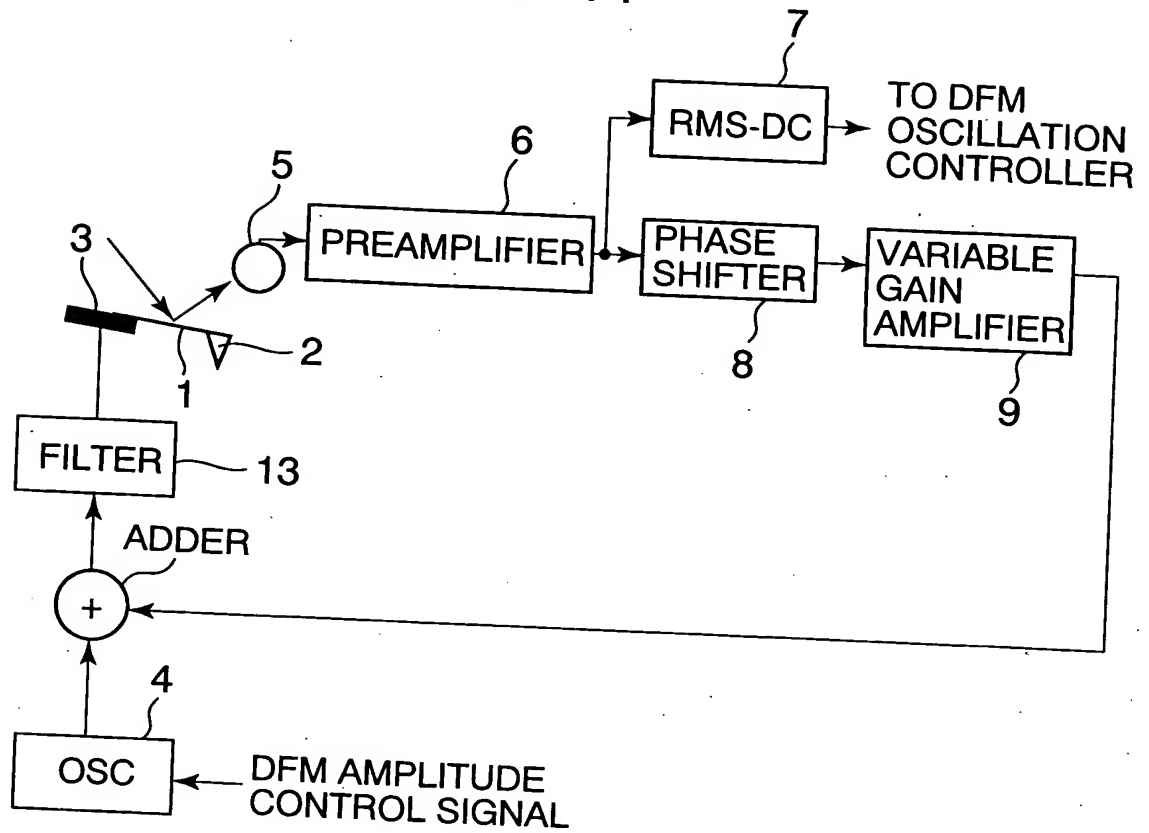


FIG.12

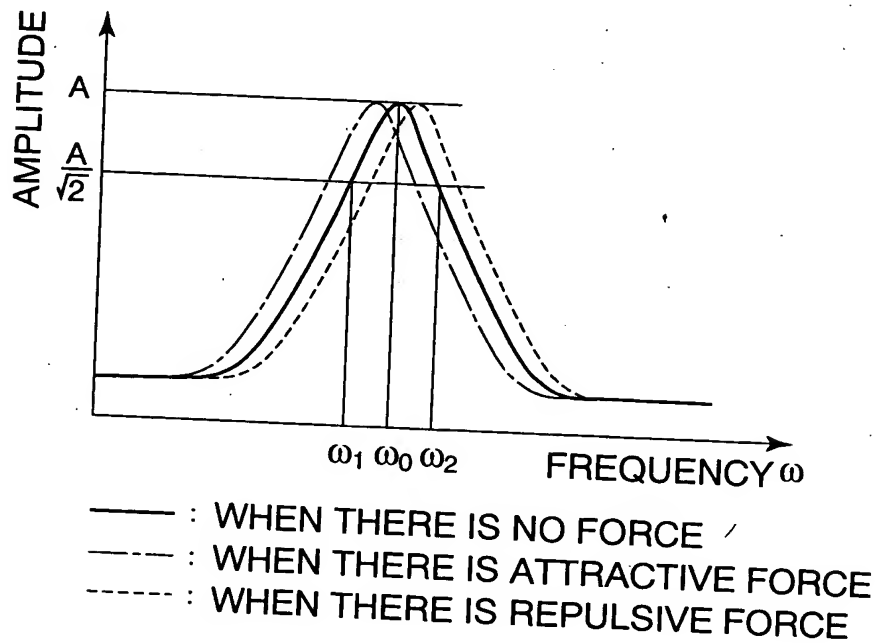


FIG.13

Q-CONTROL

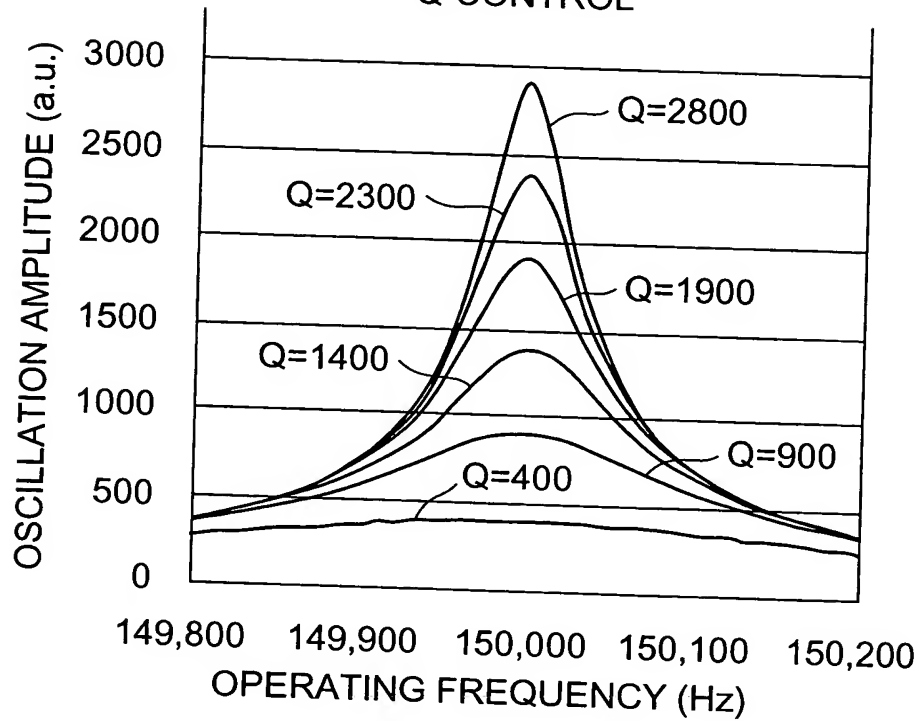


FIG.14

